**HIVE EXTERNAL TABLES**

**Credit Card External Table:**

drop table CDW\_SAPP\_F\_CREDIT\_CARD;

CREATE EXTERNAL TABLE CDW\_SAPP\_F\_CREDIT\_CARD (

CUST\_CC\_NO STRING,

TIMEID VARCHAR (8),

CUST\_SSN INT,

BRANCH\_CODE INT,

TRANSACTION\_TYPE VARCHAR(30),

TRANSACTION\_VALUE DECIMAL(20,3)

)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

Location "/user/maria\_dev/Credit\_Card\_System/SQOOP\_JOB/CDW\_SAPP\_CREDITCARD";

**Customer External Table**

drop table CDW\_SAPP\_D\_CUSTOMER;

CREATE EXTERNAL TABLE CDW\_SAPP\_D\_CUSTOMER (

CUST\_SSN INT,

CUST\_F\_NAME VARCHAR(40),

CUST\_M\_NAME VARCHAR(40),

CUST\_L\_NAME VARCHAR(40),

CUST\_CC\_NO STRING,

CUST\_STREET VARCHAR(38),

CUST\_CITY VARCHAR(30),

CUST\_STATE VARCHAR(30),

CUST\_COUNTRY VARCHAR(30),

CUST\_ZIP STRING,

CUST\_PHONE VARCHAR(8),

CUST\_EMAIL VARCHAR(40),

LAST\_UPDATED TIMESTAMP

)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

Stored as Textfile

Location "/user/maria\_dev/Credit\_Card\_System/SQOOP\_JOB/CDW\_SAPP\_CUSTOMER";

**Branch External Table**

drop table CDW\_SAPP\_D\_BRANCH;

create External Table CDW\_SAPP\_D\_BRANCH (

BRANCH\_CODE INT,

BRANCH\_NAME VARCHAR(25),

BRANCH\_STREET VARCHAR(30),

BRANCH\_CITY VARCHAR(30),

BRANCH\_STATE VARCHAR(30),

BRANCH\_ZIP STRING,

BRANCH\_PHONE VARCHAR(13),

LAST\_UPDATED TIMESTAMP

)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

Location "/user/maria\_dev/Credit\_Card\_System/SQOOP\_JOB/CDW\_SAPP\_BRANCH";

**TimeID External Table:**

drop table CDW\_SAPP\_D\_TIME;

CREATE External TABLE CDW\_SAPP\_D\_TIME (

TIMEID VARCHAR(8),

DAY INT,

MONTH INT,

QUARTER VARCHAR(8),

YEAR INT

)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

Location "/user/maria\_dev/Credit\_Card\_System/SQOOP\_JOB/CDW\_SAPP\_TimeID";

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**Syntax for Creating Staging/Temp Tables:**

**//Comment - for this requirement: I don't need to use a Temp Table. I used External Tables, and my partition tables' data are pulled from my External Tables. But the syntax below is to show you that I can create a temp tables.// Also, by using the keyword "Location" instead of the "Load Dat Inpath": the files in HDFS won't be dropped.**

create external table temp\_Branch (col\_value String);

LOAD DATA INPATH '/user/Credit\_Card\_System/Folder/CDW\_SAPP\_BRANCH/part-m-00000' OVERWRITE INTO TABLE

temp\_branch;

create external table temp\_Customer (col\_value String);

LOAD DATA INPATH '/user/Credit\_Card\_System/Folder/CDW\_SAPP\_CUSTOMER/part-m-00000' OVERWRITE INTO TABLE

temp\_customer;

create external table temp\_Credit (col\_value String);

LOAD DATA INPATH '/user/Credit\_Card\_System/Folder/CDW\_SAPP\_CREDITCARD/part-m-00000' OVERWRITE INTO TABLE

temp\_credit;